

Docket No. 243057US2SRD

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Munehiro OGASAWARA

SERIAL NO: New Application

GAU:

FILED: Herewith

EXAMINER:

FOR: CHARGED-PARTICLE BEAM WRITER

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97

COMMISSIONER FOR PATENTS
ALEXANDRIA, VIRGINIA 22313

SIR:

Applicant(s) wish to disclose the following information.

REFERENCES

- ☒ The applicant(s) wish to make of record the references listed on the attached form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

RELATED CASES

- ☐ Attached is a list of applicant's pending application(s) or issued patent(s) which may be related to the present application. A copy of the patent(s), together with a copy of the claims and drawings of the pending application(s) is attached along with PTO 1449.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

CERTIFICATION

- ☐ Each item of information contained in this information disclosure statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

DEPOSIT ACCOUNT

- ☒ Please charge any additional fees for the papers being filed herewith and for which no check or credit card payment is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

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STATEMENT OF RELEVANCY

Reference AO (JP 7-61185) on PTO Form 1449:

This reference shows the idea to give dose modulation on aperture for proximity effect correction. However it does not show the method to determine the modulation distribution in the system which uses both character projection with scanning projection and VSB method.

Reference AP (JP 2001-34115) on PTO Form 1449:

This reference shows the system which uses both scanning projection and VSB method. However it does not show the method to determine the dose modulation distribution for scanning projection to correct the proximity effect.

Reference AQ (JP 2001-217173) on PTO Form 1449:

This reference is discussed in the specification.

Reference AR (JP 9-289164) on PTO Form 1449:

This reference is discussed in the specification.

Reference AW on PTO Form 1449:

This reference shows the concept of combination of scanning projection and VSB. However it does not describe the method of proximity effect correction.

Form PTO 1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. 243057US2SRD		SERIAL NO. New Application	
LIST OF REFERENCES CITED BY APPLICANT				APPLICANT Munehiro OGASAWARA			
				FILING DATE Herewith		GROUP	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						
	AL						
	AM						
	AN						
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION		
					YES	NO	
	AO	7-61185	03/20/95	JAPAN		X	
	AP	2001-34115	02/09/2001	JAPAN		X	
	AQ	2001-217173	08/10/2001	JAPAN		X	
	AR	9-289164	11/04/97	JAPAN		X	
	AS						
	AT						
	AU						
	AV						
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)							
	AW	N. SHIMOMURA, et al., "OPTICAL COLUMN OF THEMASK-SCAN EB MASK WRITER TEST STAND", Vol. 4066, pgs. 605-612, SPIE, 2000					
	AX						
	AY						
	AZ					<input type="checkbox"/> Additional References sheet(s) attached	
Examiner					Date Considered		
*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							